

California Weather-Hydro Conditions during February 2017

As of February 28, 2017, statewide hydrologic conditions were as follows: precipitation, 190 percent of average to date; snow water content, 185 percent of average to date (165% of the April 1 index average); runoff, 270 percent of average to date; and reservoir storage, 120 percent of average to date.

Sacramento River Region unimpaired runoff, for Water Year 2017, observed through February 28, 2017 was about 22.1 million acre-feet (MAF), which is about 282 percent of average. In comparison to Water Year 2016, the observed Sacramento River Region unimpaired runoff through February 29, 2016 was about 6.7 MAF, or about 85 percent of average. San Joaquin River Region unimpaired runoff, for Water Year 2017, observed through February 28, 2017 was about 7.1 MAF, which is about 426 percent of average. In comparison to Water Year 2016, the observed San Joaquin River Region unimpaired runoff through February 29, 2016 was about 1.4 MAF, or about 81 percent of average. Tulare Lake Region unimpaired runoff, for Water Year 2017, observed through February 28, 2017 was about 1.8 MAF, which is about 307 percent of average. In comparison to Water Year 2016, the observed Tulare Lake Region unimpaired runoff through February 29, 2016 was about 0.4 MAF, or about 63 percent of average.

On February 28, 2017, the Northern Sierra 8-Station Precipitation Index Water Year total was 76.5 inches, which is about 219 percent of the seasonal average to date and 153 percent of an average water year (50.0 inches). During February, the total precipitation for the 8-Stations was 23.4 inches, or about 292 percent of average for the month. Last year on February 29, 2016, the Water Year 2016 seasonal total for the 8-Stations was 35.5 inches, or about 102 percent of average.

On February 28, 2017, the San Joaquin 5-Station Precipitation Index Water Year total was 60.7 inches, which is about 219 percent of the seasonal average to date and 148 percent of an average water year (40.7 inches). During February, the total precipitation for the 5-Stations was 17.7 inches, or about 256 percent of average for the month. Last year on February 29, 2016, the Water Year 2016 seasonal total for the 5-Stations was 27.1 inches, or about 98 percent of average.

On February 28, 2017, the Tulare Basin 6-Station Precipitation Index Water Year total was 41.0 inches, which is about 209 percent of the seasonal average to date and 140 percent of an average water year (29.2 inches). During February, the total precipitation for the 6-Stations was 10.7 inches, or about 205 percent of average for the month. Last year on February 29, 2016, the Water Year 2016 seasonal total for the 6-Stations was 19.6 inches, or about 100 percent of average.

Daily Precipitation (in inches) for Selected Stations as of 02/28/2017					
Station	Water Year 2017 to Feb 28, 2017	% Average	Water Year 2016 to Feb 28, 2016	% Average	WY 2017 % of Avg Water Year (Oct 1 – Sep 30)
Mount Shasta	43.76	149	24.61	84	100
Eureka	38.61	138	33.55	120	96
Redding	36.53	151	23.25	96	106
South Lake Tahoe	39.68	302	13.73	104	195
Sacramento Executive Airport	27.52	207	9.68	73	149
Santa Rosa (Sonoma Co AP)	49.86	185	18.64	69	137
San Francisco	25.75	146	14.53	82	109
Stockton	17.48	176	9.88	99	124
Yosemite	62.73	245	24.86	97	165
Monterey	20.31	180	15.46	137	126
Paso Robles	12.57	141	5.36	60	98
Fresno	12.58	165	9.94	130	109
Bakersfield	7.23	167	3.46	80	112
Death Valley	1.27	88	1.28	89	54
Los Angeles	17.37	160	4.53	42	116
Riverside	11.59	133	3.90	45	93
Palm Springs	6.15	160	2.43	63	107
San Diego	10.59	145	6.08	84	102

Key Reservoir Storage (1,000 AF) as of 02/28/2017								
Reservoir	River	Storage	Avg Storage	% Average	Capacity	% Capacity	Flood Control Encroachment	Total Space Available
Trinity Lake	Trinity	1,922	1,816	106	2,448	79	---	526
Shasta Lake	Sacramento	3,779	3,326	114	4,552	83	527	773
Lake Oroville	Feather	2,706	2,466	110	3,538	76	-82	832
New Bullards Bar Res	Yuba	768	626	123	966	79	-28	198
Folsom Lake	American	404	543	74	977	41	-173	573
New Melones Res	Stanislaus	1,578	1,468	107	2,400	66	-392	842
Don Pedro Res	Tuolumne	2,003	1,442	139	2,030	99	594	27
Lake McClure	Merced	919	534	172	1,025	90	244	106
Millerton Lake	San Joaquin	421	341	123	520	81	-14	99
Pine Flat Res	Kings	776	530	146	1,000	78	383	224
Isabella	Kern	329	184	178	568	58	84	239
San Luis Res	(Offstream)	1,991	1,738	115	2,041	98	---	48

The latest National Weather Service Climate Prediction Center (CPC) long-range, 1-month precipitation outlook for March 2017, issued February 28, 2017, suggests above-average precipitation for Northern California, average precipitation for Central California, and below-average precipitation for Southern California.